

Calculation of the Lattice Energy of a Molecular
Crystal, M I, by A. I. Kitaygorodskiy,
K. V. Mirskaya, 5 pp.

RUSSIAN, per, Kristallografiya, Vol VI, No 4,
1961, pp 507-514.

AIP
Sov Phys - Crystall
Vol VI, No 4

Sci
23 Jul 62

203,924

Change in the Intensity of Nuclear Quadrupole
Resonance in a Molecular Crystal Exposed to
Fast Electrons, by A. I. Kitaigorodskiy, E. I.
Fedin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 5,
1960, pp 1005-1007.

AIP
Sov Phys-Doklady
Vol V, No 1

Sci

Sep 60

125,812

Tasks of Structural Investigations in the Field
of High Polymeric and High Molecular Substances,
by A. I. Kitalgorodskiy.

RUSSIAN, ^{bt}~~per~~, Institut^{*}Biologicheskoi Fiziki,
Fiz-Khim i Strukturnye Osnovy Biologicheskikh
Yavlenii, Moscow, 1960, pp 12-17. 9094823

USDA Tr A-1301

177, 283

Sci - Chem

Des 61

Structure of Solid Solutions and Phase Diagram
of the System p-Dibromobenzene -- p-Diodobenzene,
by A. I. Kitaigorodskiy, Liang Tung-ch'ai, 9 pp.

RUSSIAN, per, Kristallografiya, Vol V, 1960, No 2,
pp # 238-246.

AIP
Sov Phys - Crystall
vol V, No 2

Sci

201,622

Jun 62

A Study of the Distribution of Molecules of
Impurities in Solid Solutions of Organic
Substances, by A. I. Kitaigorodskiy,
R. M. Myasnikova, 6 pp.

RUSSIAN, per, Kristallografiya, Vol V, No 2,
1960, pp 247-252.

AIP
Sov Phys - Crystall
Vol V, No 2

Sci

Jun 62

201,623

Nuclear Quadrupole Resonance Studies of Solid
Solutions of Some Organic Compounds, by
Ye. I. Fedin, A. I. Kitaigorodskiy, 4 pp.

RUSSIAN, per, Kristallografiya, Vol VI, No 3,
1961, pp 406-412.

AIP
Sov Phys - Crystal
Vol VI, No 3

Sci
Jan 62

201,797

Xitai gorodskii, A. I.
ORGANIC CHEMICAL CRYSTALLOGRAPHY. Nov 61,
approx. 550p.
Order from CB \$17.50

Trans. of mono. [Organicheskaya Kristallokhimiya,
Moscow, 1955, 560p.].

DESCRIPTORS: *Organic compounds, *Crystal struc-
ture, Crystals.

(Physics--Solid State, TT, v. 7, no. 6)

61-25740

I. Xitai gorodskii, A. I.
II. Consultants Bureau
Enterprises, Inc.,
New York

197071

Office of Technical Services

Investigation of the LIP-LHB System
by Thermoanalysis, by I. I. 2 Kitaigorod-
skiy, T. A. Popova, et al, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol IV,
No 3, 1933, pp 380-382. 9066996

AEC Tr-5271

Sci. - Chem
Oct 62

215,536

Crystal Structures of Tropylium Perchlorate and
Iodide, by A. I. Kitaigorodskiy, Yu. T. Struchkov,
et al, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1960, pp 39-44.

CB

Sci
May 62

192,855

The Structure of Cellulose. Parts I, II, by
A. I. Kitaigorodskiy, D. Ya. Tsvankin.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol I, No 2, 1959, pp 269-286.

DSIR LLU RTS 1595

Sci-~~tion~~

169,844

Oct 61

Organic Chemical Crystallography, by A. I.
Kitaigorodskiy.

RUSSIAN, bk, Organicheskaya Kristallografiya.

CB

Sci - Chem
May 62

Concerning the Theory of Solid of Organic
Substances, by A. I. Kitaigorodskiy,
R. M. Myasnikova, 4 pp.

RUSSIAN, per, Kristallografiya, Vol^V, No 4,
1960, pp 638-642.

AIP
Sov Phys - Crystall
Vol V, No 4,

Sci

206,633

Aug 62

Conditions of Solubility of Organic Substances
in the Solid State, by A. I. Kitaigorodskiy, 9 pp.

RUSSIAN, per, Zhur Strukt Khim, Vol I, No 3,
1960, pp 333-336.

324-332

CB

Sci

168,901

Sep 61

Kitaygorodskiy, Aleksandr Isayakovich.
STRUCTURE OF POLYMERS. Sep 60 [36]p.

MCL-388/V.

Order from LC or SLA m\$3.00, ph\$6.30 61-19403

Trans. of mono. (brochure) [Struktura Polimerov,
Moscow, 1958, 28p.].

An elementary review.

(Chemistry--Organic, TT, v. 5, no. 11)

- 61-19403
- I. Polymers--Molecular structure
 1. Kitaygorodskiy, A. I.
 - II. MCL-388/V
 - III. Technical Information Center, Wright-Patterson AFB, Ohio

Office of Technical Services

(SF-1879)

Radio Signals From Molecules, by A. Y.
Kitaygorodskiy, E. Y. Fedin, 13 pp.

RUSSIAN, per, Priroda, No 11, 1961,
pp 44-52.

JPRS 13326

190,427

Sci-Electron

Apr 62

31

~~Pyrometallurgy~~—a New Branch of Industry,
by I. K. Kopylovskiy, 5 pp.
RUSSEAN, op. Izvestiya, 23 Jul 1964, p. 2.
JPRS 24899

APPROVED FOR RELEASE: 08/15/ 2001

CIA-RDP84-00581R000100270020-6

Not 63

359,528

APPROVED FOR RELEASE: 08/15/ 2001

CIA-RDP84-00581R000100270020-6

NEW EFFECTIVE MATERIALS — THE SITALIS, BY I. I.
KITAYGORODSKIY, 5 PP.

RUSSIAN, PER, SIRDTEL MATERIALY, NO 5, 1963,
PP 1-2.

JPRS 20758

USSR
ECON
AUG 63

238,621

Sci - M/M
Mar 68
FOR OFFICIAL USE ONLY

163,496

SCI - M/M
MAT 65
FOR OFFICIAL USE ONLY

263,637

Accelerating the Pulverization of Alumina in the
Glass and Ceramics Industry, by I. I. Kitaigorodskiy,
Ts. N. Gurovich, 4 pp.

RUSSIAN, per, Steklo i Keramika, Vol XVI, No 5,
1959, pp 5-8.

CB

Sci
Sep 62

210,410

The Choice of an Efficient Design for a Foam
Glass Manufacturing Plant, by I. I. Kitaigorodskiy,
L. M. Butt, 7 pp.

RUSSIAN, per, Steklo i Keramika, Vol XVI, 1959,
No 12, pp 15-20.

CB

Sci

Aug 62

209,791

The Electric Properties of Glass in the System V_2O_5 - V_2O_4 - P_2O_5 , by I. I. Kitaigorodskiy, V. K. Frolov,
#3pp. 25

RUSSIAN, per, Steklo i Keramika, Vol XVII, No 12,
1960, pp 5-7.

CB

Sci

Aug 62

209,843

Kitaigorodskii, I. I.
GLASS IN CERAMICS (Steklo v Keramike). [1962]
[43]p. (foreign text included) 29 refs.
Order from OTS or SLA \$4.60 62-14505

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1958, v. 3 [no. 1] p. 35-45.

DESCRIPTORS: *Glass, Melting, *Ceramic materials,
Sintering, Mechanical properties, Manufacturing
methods.

(Materials--Ceramics, TT, v. 8, no. 1)

62-14505

I. Kitaigorodskii, I. I.

209390

Office of Technical Services

PENOSIL. [1961] [6]p. 1 ref. [DSIR LLU] M. 3040.
Order from OTS or SLA \$1.10 61-27568

Trans. of Steklo i Keramika (USSR) 1959 [v. 16]
no. 11, p. 4-7.

DESCRIPTORS: *Insulating materials; Thermal
insulation, Stability, Mechanical properties; *Ex-
panded glass.

Under the name Penosil are combined a whole series of
foam materials, with high temperature stability and
thermal stability. The general chemical composition is
90 to 94% of SiO_2 and 6 to 10% of flux and gas producer.
The results of testing Penosil for temperature stability
and mechanical strength indicate that it is possible to
use it as a heat insulating material for withstanding the
(Materials--Ceramics; TT, v. 6; no. 9) (over)

I. Kitaigorodskii, I. I.
II. Artamonova, N. V.
III. DSIR LLU M. 3040

Office of Technical Services

Investigation of Compositions of Microlite and
the Metallic Compound MgAl , by V. P. Elyutin, I.
I. Kitaigorodskiy, E. I. Mozhukhin, V. B.
Rabkin, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 3,
1960, pp 559-562.

EB

Sci

Apr 61

144,344

The Determination of Vanadium Oxides in Glass by
Oxidimetric Methods, by I. I. Kitaigorodskiy, V. K.
Frolov, 38 pp

5

RUSSIAN, per, Zavod Lab, Vol XXVI, No 4, 1960,
pp 418-422 422

ISA

140,893

Sci.
Feb 61

①
Kitsigorodskii, I. I.
ARTIFICIAL SUPERSTRONG STONE: MICROLITE.
[1961] 11p. (3 figs. omitted).
Order from OTS or SLA \$1.60 62-10565

Trans. of article from an unidentified Russian
source, n.d.

DESCRIPTORS: Ceramic materials, *Abrasives,
*Cutting tools, Corundum, Rock.

(Materials--Ceramics, TT, v. 8, no. 8)

62-10565

1. Title: Microlite
I. Kitsigorodskii, I. I.

Office of Technical Services

NEW GLASS CRYSTAL MATERIALS MADE FROM SLAG,
by I. I. Kitaygorodskiy, K. T. Bondarev,
7 pp.

RUSSIAN, per, Priroda, No 9, 1962, pp 111-114.

JPRS 16109

Sci - M/M

Nov 62

217,477

Investigation of Glasses in the System

SiO_2 -- Al_2O_3 -- B_2O_3 -- BaO , by I. I.

Kitaigorodskiy, T. N. Keshishyan, E. A.
Fainberg, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XV,
No 3, 1960, pp 1-5.

CB

Sci
Oct 60

130,503

Kitaigorodskii, I. I.
ARTIFICIAL SUPERSTRONG STONE: MICROLITE.
[1961] 11p. (3 figs. omitted).
Order from OTS or SLA \$1.60

62-10565

Trans. of article from an unidentified Russian
source, n.d.

DESCRIPTORS: Ceramic materials, *Abrasives,
*Cutting tools, Corundum, Rock.

(Materials--Ceramics, TT, v. 8, no. 8)

62-10565

1. Title: Microlite
1. Kitaigorodskii, I. I.

C223118

Office of Technical Services

The Preparation of Heat-Resisting Glass by Enriching
Glass With Silica, by I. I. Kitaigorodskiy, V. A.
Blinov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 2,
pp 392-395.

CB

Sci
Aug 60

126,424

Synthesis and Investigation of Certain Vanadium Glasses
by I. I. Kitaigorodskiy, V. G. Karpechenko, 3 pp.

RUSSIAN, per, Steklo i Keramika, Vol XV, No 6,
1958, pp 8-10.

CB

Sci

Oct 60

129,241

Technical Stone from Glass-Corundum, by I. I.
Mikhailovskiy, S. I. Sil'vestrovich, L. N.
Mikhailovskiy, 5 pp.

Russian, per, Steklo i Keramika, Vol XV, No 11,
1958, pp 12-16.

17-20.

CB

Sci

133,148

Nov 60

12 545

US-14

KITAIGORODSKII I. I.

Means of improving the quality of metal-cutting mineral
ceramics

p. 552-558 of "Peredovaya tekhnologiya mashinostroeniya"
Inst. Mashinovedeniya, Akad. Nauk SSSR, 1955

RJ-2737. \$ 11.40 - English

E u r a t o m

Means of Improving the Quality of Metal-
Cutting Mineral Ceramics, by I. I. Kitaygorodskiy,
7 pp.

RUSSIAN, Mono, Peredovaya Tekhnol Mashinostro-
yeniya, Sbornik, Pub, by Komissiya po Tekhnol.
Mashinostroyeniya, Inst Mashinostroyeniya, A kad
Nauk SSSR, 1955, pp 552-558.

~~SECRET~~

ATS-79L34R

Sci

187, 148

Kitaigorodskii, I. I. and Sentyurin, G. G.
[PROGRESS OF THE GLASS INDUSTRY]. [1961] [18]p.
5 refs.
Order from OTS or SLA \$1.60 61-14467

Trans. of mono. Khimiya i Tekhnologiya Silikatov:
Sbornik Trudov, n.p., 1957, p. 398-407.

DESCRIPTORS: *Glass, Surfaces, Chemical reactions,
Structural properties, Chemical analysis, Reagents,
Heat treatment, Solutions, Salts, Temperature, An-
nealing.

Contents:

Increasing the chemical resistance of surfaces of glass
Structural and chemical resistance of glass
The influence of various factors on the variation in the
chemical resistance of glass
Determination of chemical resistance of glass
(Materials--Ceramics, TT, v. 10, no. 9) (over)

61-14467

I. Kitaigorodskii, I. I.
II. Sentyurin, G. G.

Office of Technical Services

I. I. Kitaygorodskiy

*The interaction of sodium chloride and kaolin at high temperatures, by I. I. Kitaygorodskiy, V. I. Bokunyaveva
RUSSIAN, per, Zhurnal Prikladnoy Khimii, Vol 8, No 2,
1935, pp 230-237.
NASA TT F 14,251*

apr 72

Glycerol Terephthalate Polyester Film Formers,
by A. I. Kogan and M. M. Kitaigorodsky, 4 pp.

Full tr

RUSSIAN, no par, Zhur Prik Khim, Vol XXIX,
No 4, 1956, ~~pp 628-629~~ pp 628-

Consultants Bureau

Sci - Chemistry
Dec 56 CTB

41, 627

61-19243

Kitaygorodskiy, A. I. and Tavankin, D. Ya.
THE STRUCTURE OF CELLULOSE, I-II (K Voprosu o
Strukture Tsellyulozy, I-II). Feb 61 [24]p. 42 refs.
RTS 1595.
Order from LC or SLA m\$2.70, ph\$4.80 61-19243

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1959, v. 1, no. 2, p. 269-286.

One-dimensional diffraction on the X-ray diagrams of
cellulose fibres was studied. The cause of one-dimen-
sional diffraction is a statistical dispersion of the
centres of chains in the equatorial plane (ϵ^2) and a
deviation of chains from their proper course along the
axis (ϵ^2). There are no irregular regions as regards
the arrangement of the chains and their links in the
structure of cellulose. The same groups of chains are
responsible for both one-dimensional diffraction and
the three-dimensional reflexions.

(Chemistry--Organic, TT, v. 5, no. 12)

1. Cellulose--Molecular structure
2. Cellulose--X-ray analysis
- I. Kitaygorodskiy, A. I.
- II. Tavankin, D. Ya.
- III. RTS-1595
- IV. Department of Scientific and Industrial Research (Gt. Brit.)

Office of Technical Services

The Theory of Crystal Structure Analysis, by
A. I. Kitaygorodskiy, 275 pp.

RUSSIAN, bk.

CB

Sci - Phys

May 61

CIA
QD 911 K5 B5

150,741

Thermocline in the Ocean, by S. A. Kitaygorodskiy, 49
B. N. Filyushkin, 36 pp.
RUSSIAN, per, Trudy Inst Okean., Vol LXVI, 1963,
pp 3-28.
Dept of Navy N00 Trans 262

NAV/N00/

S. A. Kitaygorodskiy

Sci/Nav Sci
Oct 70

Contribution to an Analysis of the Spectra of
Wind-Caused Wave Action . I , by S. A.
Kitaygorodskiy, S. S. Strekalov, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 9,
1962, pp 1221-1228.

AGU

Sci

Jan 63

220,545

On the Computation of the Thickness of the Wind-
Mixing Layer in the Ocean, by S.A. Kitaigorodsky
4 pp.

RUSSIAN, per, Iz Ak Nauk, Ser Geofiz, No, 1960
pp 425-431

Amer Geophys Union

Sci

134,854

Dec 60

Motion, by S. A. Kitaigorodskiy, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 5,
1959, pp 773-777.

Amer Geophys Union

Sci
Aug 60

122,145

On Possibility of Theoretical Calculation of
Vertical Temperature Profile in Upper Layer of
the Sea, 6 pp. *by S. A. Kitaygorodsky*

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz, No 3,
1961, pp 487-494.

AGU

170, 434

Sci

Sep 61

Influence of Ultrasound on the Nature of
Crystallization in a Welding Pool, by A. A. Erokhin,
Yu. I. Kitaygorodskiy, M. G. Kogan, L.L. Silin.
USSR.

to FRANCE,
RUSSIAN, per, Iz Ak Nauk SSSR, Jan 1958, pp 140-142.

IRSID T 1076

185 Rue President-Roosevelt
St. Germain-en-Laye (S-et-O)
France

Sci - Phys
Apr 59

85,030

An Ultrasonic Generator for Laboratory Studies, by
Yu. I. Kitalgorodskiy, V. S. Bogin, A. V. Vitkovskiy,

RUSSIAN, per, Zavod Lab, Vol IV, Apr 1959,
pp 467-478.

7

Internatl Physical Index
Electronics Express
Vol I, No 10

Sci

Aug 59

93, 884

Joining of Metals in Solid State by Ultrasonic
Vibrations, by Yu. I. Kitagorodskiy, et al.

RUSSIAN, per, Iz Ak Nauk SSSR, ~~En~~ Otdel Tekh
Nauk, No 8, 1958, pp 88-90.

Henry Bratcher b401

\$2.90

Sci - Min/Mat

SLA 59-2268/
ACSL OT/3503

Jan 59

78,634

(DC-2700/9)

Full Mechanization in Sugar Beet Harvesting, by
G. M. Kukta, Z. P. Kitaytseva, 6 pp.

RUSSIAN, per, Sakharnaya Svekla, No 10, 1959,
pp 18-23.

JPRS 3425

USSR

Econ - Technological

Jun 60

120,106

How Will the Japanese Communist Party Attack and
Destroy Munitions Factories, by KITAZAWA Jiro, 11 pp.

Full translation.

JAPANESE, no per, Tairiku Mondai, No 2, Feb 1952.

MISO/TE 7243

FB - Japan

Political - Communism, espionage, munitions

A-5393

A Tale of Secret War Activities of the Japan Communist
Party, 8 pp. by KITAZAWA Jiro

Full translation.

JAPANESE, no per, Tairiku Mondai, No 4, Apr 1952.

MISC/FE 73464

FE - Japan

Political - Communist activities

A 5394

The Venturi-Flume as a Meter for Sewage Flow,
by Teikiti Kitazawa, 16 pp.

JAPANESE, per, Doboku-Gakkai-Sir, (J Civ Eng
Soc Japan, Vol XXV, 1939, pp 219-225.

AEC Tr 2517

Sci - Engineering

Jul 1956

SLA Tr 1371
36,780

Flame Temperature of a Liquid Propellant
Rocket Engine, Parts I, II; and Pyrometric
Study of the Flame of an Oxygen-Silicon-
Aluminum Fuel, by N. M. Sobolev, M. M.
Selousov, V. F. Kitayeva, 9 pp. (Excerpts only).
UNCL

RUSSIAN, per, Zhur Tekh Fiz, No 1, 4, 1959,
pp 506-513.

AF 1256112

Sci - Fuels
Nov 59

99,748

Shape and Width of Lines in d.c. Arc Spectra, by
V. P. Kitayova, N. N. Sobolev, 22 pp.

RUSSIAN, per, Optika i Spektroskopiya, Vol I,
No 3, 1956, pp 302-320.

Sci Mus Lib Tr 57/3150
AERE Harwell Lib Tr 712

Sci - Physics
Mar 58

60,528

Flame Temperature of a Liquid-Fuel Jet Engine. II.,
by N. N. Sobolev, V. F. Kitayeva, G. M. Rodin,
F. S. Faizullov, A. I. Fedorov, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXIX, No 1, 1959,
pp 37-44.

Amer Inst of Phys
Sov Phys - Tech Phys
Vol IV, No 1

Aug 59

93, 916

V Investigation of the Shape and Breadth of Spectrum
Lines in DC Arcs, by V. F. Kitayeva, 2 pp.

Full translation.

RUSSIAN, bino per, Iz Ak Nauk, Ser Fiz, Vol XIX,
No 1, 1955, p 27, CIA C 42053

Columbia Tech Tr

Scientific - Physics
May 56 CTS/600

34,644
AEC TN 2766
SLR R-1466

Spectroscopic Investigation of the State of a
Gas Behind a Shock Wave, by N. N. Sobolev, ..
A. V. Potapov, V. F. Kitayeva, F. S. Faizullov,
V. N. Alimovskiy, E. T. Antropov, I. L. Isayev,
7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXII,
No 6, ~~1979~~ pp 730-736.

Columbia Tech

Sci - Phys
Jul 59

93,240

AKHIEZER, A.

The Heat of Sublimation and the Packing of Molecules in Crystals (ltrs to the editor) -- AP XXI, No 2, 46, 379

On the Steric Factor in Aromatic Compounds with Uncondensed Benzene Nuclei (ltrs to the editor) --

AP XXI, No 3, 46, 575

The structure of Dibromanthracene and the C-C Distance in the Aromatic Hydrocarbons (ltrs to the Editor) --

AP XXI, No 4, 46, 767

over

A-5389

The Structure of Polymers, by A. I. Kitaygorodskiy,
33 pp, UNCL

RUSSIAN, bk, Struktura Polimerov, 1958, 28⁹/₁₁ pp.

ATIC NCL-388/v

Sci - Chemistry

May 60

T

116,445

The structure of Mixed Crystals of the Anthracene-
Phenanthrene System, by A. I. Kitaygorodskiy, V. M.
Kozhin, 5 pp.

RUSSIAN, per Kristallografiya, Vol IV, No 2,
1959, pp 209-213.

Amer Inst of Phys
Sov Phys-Crystallography
Vol IV, No 2

Sci

May 60

119,103

A Triclinic Modification of Polythene, by A. I.
Kitaygorodskiy, Yu. V. Mayukh, 2 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1958, Vol CXXI,
pp 115-116.

SLA 59-20145

Sci
Feb 60
Vol 2, No 10

108,929

Organic Chemical Crystallography, by A. I.
Kitaigorodskiy, 600 pp.

RUSSIAN, bk, revised by author up to 1958.

*1955 from
available from
infosearch Ltd.*

INFOSEARCH Ltd
Oleaves-Hume Press Ltd
31 Wright's Lane
London W 8.

ready Autumn 1958

L4 4s

*also -
MAY BE CONSULTANT
BUREAU*

Temperature Changes of Intermolecular Distances
in Paraffin n-C₃₀H₆₂. Refinement of the Form
of the Molecule in Paraffins, by A. I. Kitaigorodskiy, and Yu. V. Mayukh, 4 pp.

RUSSIAN, Izv. Akad. Nauk SSSR, Vol. CXXI, No 2,
1958, pp 291-.

Amer Inst of ~~Phys~~ Phys
Sov Phys - Doklady
Vol III, No 4

Sci - Phys

Jul 59

91,950

International Fedorov Session on Crystallography
at Leningrad, by N. B. Belov, B. K. Vainshtein,
A. I. Kitaigorodskiy, M. A. Poray-Koshits, S. A.
Semiletov, N. N. Sheftal', 4 pp.

RUSSIAN, per, Kristallografiya, Vol IV, No 5,
1959, pp 796-800.

Amer Inst of Phys
Soc Phys-Crystal

119,319

Sci-Phys

Jun 60

Analysis of heat-exchange processes in the blast-furnace,
by B. L. Lazarev, B. I. Kitsev, Yu. G. Yaroshenko, 5 pp.

RUSSIAN, par, Stal, No 3, 1961, pp 200-206.

ENSI

165,197

Sci

Jul 61

Low Temperature Studies of the Structure of
Aromatic Compounds. 2. An Isotropic Thermal
Expansion of Anthracene, by V. M. Kozhin,
A. I. Kitaygorodskiy, 10 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVII, No 11,
1953, pp 1676-1681.

Sci Mus Lib - 56/0294

Natl Res Lib - TT-566

Sci - Physics, Chemistry

33,791

May 1956

Theory of Strain in Organic Molecules, by A. I. Kitaygorodskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV, No 6, 1959, pp 1267-1270.

Consultants Bureau

Sci

Feb 60

108,182

The Gas-Crystalline State of Matter in Polymers, by A.
I. Litaygorodskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIV,, No 4,
1959, pp 861-864.

²¹⁵
Consultative Bureau

Sci

Feb 60

108,169

The Effect of Pressure on the Rate of Sterically
Hindered Reactions, by M. G. Gonikberg, A. I.
Kitaygorodskiy, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII, No 2,
1958, pp 231-234.

SIA 59-10633

Sci - Chem
Sep 59
Vol 2, No 2

98,001

Macromolecular Compounds. Communication 90.
Polycondensation of 1,2-Dichloroethane With
Tetralin, by G. S. Kolesnikov, V. V. Korshak, M. A.
Andreyeva, A. I. Kitaygorodsky, 6 pp.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 1, Jan/Feb 1956, pp 114-119. CIA 542767 C,
reel 3.

Consultants Bureau

Sci - Chemistry

37,580

Aug 1956

Crystal Chemistry of Aromatic Compounds. Part I.
Packing of Molecules in Crystals of Organic
Compounds, by A. I. Kitaigorodskiy.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk
No 3, pp 265-274, 1946.

Insdoc
Nat'l Phys Lab of India
Hillside Rd
New Delhi 12
India.

Sci - Chemistry
Aug 56 CTS/dex

37,539

Low Temperature Investigations of the Structure
of Aromatic Compounds. I. Anisotropy of the
Thermal Expansion of Naphthalene, by V. M. Kozhin,
A. I. Kitaygorodskiy.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXVII, No 4,
1953, pp 534-541.

~~XXXXXXXXXX~~
Natl Res Lib
TT.527

29,212

Scientific - Chemistry
CTS 75/Dec 55

Crytital Structure of $[1^2-]$ and $2-$ Naphthol.

Russian, Dok Ak Nauk SSSR, Vol L, 1945, p 319-321.

Sci Museum Lib
50/1015

A-5390

Crystal Structure of Iodoform, by A. I. ~~Khitaygorodskiy~~,
T. L. Khotsyanova, Yu. T. Struchkov, 7 pp.

Full translation.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol LXXVIII,
No 6, 1951, pp 1161-1164.

CIA/TDD/X-987

Scientific - Chemistry Aug 53 CFB/DEX

4572

The Determination of the Co-ordinates of Atoms in
the Unit Cell of a Crystal by Means of the F^2 - Series.
by Kitaigorodskii, A. I.

RUSSIAN, per, Zhurnal Eksperimental'noi i Teoreticheskoi
Fiziki, 1951, Vol 21, pp 717-720.

Sci Museum Lib No 52/0352

DSIR LLU N. 1071

A 5391

Also see AEC-1553

Crystal Chemistry of Aromatic Compounds. Pt IV.
Geometrical Analysis of the Arrangement of Molecules
in a Crystal, by A. I. Kitaigorodskiy.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, Vol VI,
1946, pp 587-600.

36,108

Inst Soc
Nat Phys Lab of India
Hillside Rd
New Delhi-12, India

Scientific - Chemistry

Jun 56/dex

Bond Force Constants and the Configuration of
Molecules, by A. I. Kitaigorodskiy 1 p.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Ser Fiz,
Vol XVIII, No 6, 1954, pp 664. CIA C 40664

Columbia Tech Tr

Scientific - Physics 31,699 Feb 56 CTS/DEX

On the Possibility of Detecting a Centre of
Symmetry of a Crystal by X-ray Analysis, by
A. I. Kitaigorodskiy. UNCL

RUSSIAN, per, Zhur Fiz Khim, Vol XXV,
1951, pp 127, 128.

DSIR LIU M.1022

(loan)

Sci - Phys
Feb 60

108,408

The Principles of the Chemistry of Organic,
Crystals, by A. I. Kitaygorodskiy,

RUSSIAN, per, Kristallographiya, Vol II, No 4,
1957, pp 456-465.

Amer Inst of Phys

Sci

Feb 60

108,615

Packing of Chain Molecules. II. Layers of
Paraffin Molecules, by A. I. Kitaygorodskiy

RUSSIAN, per, Kristallografiya, Vol II, No 5,
1957, pp 646-652.

Amer Inst of Phys

Sci

Feb 60

108,640

The Theory of the Structural Amplitude Connection
and the Methods of the Direct Analysis of
Crystal Structures, by A. I. Kitaygorodskiy,

RUSSIAN, per, Kristallografiya, Vol II, No 3,
1957, pp 352-357.

Amer Inst of Phys

Sci

Feb 60

108,599

Fluorography of the Paranasal Sinuses
in the Selection of Naval Specialists,
by A. M. Tsapalin, B. A. Kitaygorodskiy

RUSSIAN, no per, Voenno Med Zhur, No 2,
Moscow, Feb 1959, pp 50-53

US JPRS 1634-N

Sci-Med
June 59

88,421

Heat-Resistant "Pyrexyl" Glasses, by I. I.
Kitaygorodskiy, V. A. Blinov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVIII,
No 2, 1958, pp 351-.

Consultants Bureau

Sci - Chem

Jun 59

88,661

^{12/}
IVth International Glass Congress in Paris, by
I. I. Kitaygorodsky, 5 pp.

RUSSIAN, per, Steklo i Keramika, Vol XIII,
No 10, 1956, pp 7-9.

Consultants Bureau

Sci - Chem, Engr

Jun 59

90,539

Intermolecular Spacing in Crystallized Rubber, by A. I. Kitaigorodski, Yu. V. Myuk. RUSSIAN, per, Zh Fiz Khim, Vol 29, No 3, 1955, pp 584.
NTC 69-12491-07D

A. I. Kitaigorodski

Sci-Chem
Aug 69

389,386

Synthetic Metal-Cutting Stone Microlite, by I. I.
Kitaygorodskiy, 6 pp.

RUSSIAN, no per, Priroda, May 195²₄, pp 101-108.

ATIC F-TS-9025/III

Sci - Min/metals
Mar 1957 CTS

45,075.

The Strengthening of Glass by Tempering, by I. I.
Kitaygorodskiy, V. L. Indenbovan, 4 pp.

RUSSIAN, per, Vol CVIII, No 5, 1956, pp 843-845.

COT-245TT

Sci
Jan 60
Vol 2, No 7

104,661